

INDEX TO VOLUME 1

- Adorni, G., 53
- Bachmann, B. R., 133
- Bosch, G., 287
- Buchberger, E., 181
- Business applications, expert systems for, 307
- Cerri, S. A., 1
- Classification expert system shell, requirements for and their realization in MED2, 163
- Coelho, H., 233, 315
- Communicating knowledge systems: big talk among small systems, 233, 315
- Contextual information retrieval using graph model of sentence and rough sets, 143
- Datenbank-DIALOG: German language interface for relational databases, 181
- Expert scheduling systems: survey and preliminary design concepts, 261
- Expert systems, negative and positive explanations in, 25
- Expert systems connectivity, 133
- Fosse, P., 205
- Galliers, J. R., 77
- Gaspar, G., 233, 315
- Heinz, W., 181
- Holzbaur, C., 39
- Horacek, H., 117
- Hörtnagl, C., 181
- Hybrid languages, synthesis of, 39
- Image sequences and natural language: first step toward automatic perception and description of motions, 287
- "Intelligent" communication aid for Bliss users: AI for special needs, 77
- Josefson, I., 173
- Karoubi, M., 205
- Kayser, D., 205
- Knowledge-based information systems, cooperative agents for: dialogue about archeology of Rome, 1
- Knowledge and experience, 173
- Knowledge representation from Newton to Minsky and beyond, 87
- Landini, P., 1
- Language-independent generator of sentences, 53
- Leoncini, M., 1
- Levrat, B., 205
- Liebowitz, J., 261, 307
- Lightfoot, P., 261
- Man and machine, AI people's way of looking at, 109
- Massone, L., 53
- Matiassek, J., 181
- Models for reasoning under uncertainty, 337
- Natural language interface, choice of words in generation process of, 117
- Neapolitan, R. E., 337
- Negrotti, M., 109
- Nicaud, L., 205
- Pfahring, B., 39
- Puppe, F., 163
- Reasoning in natural language, strategy for, 205
- Rousset, M.-C., 25

Safar, B., 25
Schirra, J. R. J., 287
Sernadas, C., 233, 315
Sung, C. K., 287

Trost, H., 181

Wójcik, Z. M., 143

Zeigler, B. P., 87
Zimmermann, G., 287



CONTENTS OF VOLUME 1

NUMBER 1

- iii EDITORIAL
- iv ABOUT THE EDITORS
- 1 COOPERATIVE AGENTS FOR KNOWLEDGE-BASED INFORMATION
SYSTEMS: DIALOGUE ABOUT THE ARCHEOLOGY
OF ROME □ S. A. Cerri, P. Landini, and M. Leoncini
- 25 NEGATIVE AND POSITIVE EXPLANATIONS IN EXPERT
SYSTEMS □ Marie-Christine Rousset and Brigitte Safar
- 39 SYNTHESIS OF HYBRID LANGUAGES □ Christian Holzbaur
and Bernard Pfahringer
- 53 TOWARD A LANGUAGE-INDEPENDENT GENERATOR
OF SENTENCES □ Giovanni Adorni and Lina Massone
- 77 AI FOR SPECIAL NEEDS—AN "INTELLIGENT" COMMUNICATION
AID FOR BLISS USERS □ Julia Rose Galliers
- 87 KNOWLEDGE REPRESENTATION FROM NEWTON TO MINSKY
AND BEYOND □ Bernard P. Zeigler
- 109 THE AI PEOPLE'S WAY OF LOOKING AT MAN
AND MACHINE □ Massimo Negrotti

NUMBER 2

- iii ABOUT THE EDITORS
- 117 CHOICE OF WORDS IN THE GENERATION PROCESS OF A NATURAL
LANGUAGE INTERFACE □ Helmut Horacek
- 133 EXPERT SYSTEMS CONNECTIVITY □ Bernard R. Bachmann
- 143 CONTEXTUAL INFORMATION RETRIEVAL USING A GRAPH MODEL
OF A SENTENCE AND ROUGH SETS □ Zbigniew M. Wójcik
- 163 REQUIREMENTS FOR A CLASSIFICATION EXPERT SYSTEM SHELL
AND THEIR REALIZATION IN MED2 □ Frank Puppe
- 173 KNOWLEDGE AND EXPERIENCE □ Ingela Josefson

- 181 DATENBANK-DIALOG: A German Language Interface for Relational Databases ☐ Harald Trost, Ernst Buchberger, Wolfgang Heinz, Christian Hörtnagl, and Johannes Matiassek

NUMBER 3

- iii ABOUT THE EDITORS
- 205 A STRATEGY FOR REASONING IN NATURAL LANGUAGE
☐ D. Kayser, P. Fosse, M. Karoubi, B. Levrat, and L. Nicaud
- 233 COMMUNICATING KNOWLEDGE SYSTEMS: Part I—Big Talk among Small Systems ☐ Christina Sernadas, Helder Coelho, and Graça Gaspar
- 261 EXPERT SCHEDULING SYSTEMS: Survey and Preliminary Design Concepts ☐ Jay Liebowitz and Patricia Lightfoot
- 285 ANNOUNCEMENT

NUMBER 4

- iii ABOUT THE EDITORS
- 287 FROM IMAGE SEQUENCES TO NATURAL LANGUAGE: A First Step toward Automatic Perception and Description of Motions ☐ J. R. J. Schirra, G. Bosch, C. K. Sung, and G. Zimmermann
- 307 EXPERT SYSTEMS FOR BUSINESS APPLICATIONS ☐ Jay Liebowitz
- 315 COMMUNICATING KNOWLEDGE SYSTEMS: Part II—Big Talk among Small Systems ☐ Cristina Sernadas, Helder Coelho, and Graça Gaspar
- 337 MODELS FOR REASONING UNDER UNCERTAINTY ☐ Richard E. Neapolitan
- 367 BOOK REVIEWS
- 369 NEWS AND ANNOUNCEMENTS

FOLLOWING PAGE 375:
Title Page to Volume 1
Contents of Volume 1
Index to Volume 1

